

*Translation*  
2004S01464R

Rec'd PCT/PTO

07 MAR 2005

1/5

PCT REQUEST

Paper Copy (NOT for submission)

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.169)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	Japan Patent Office (RO/JP)
0-7	Applicant's or agent's file reference	2004S01464R
I	Title of Invention	STEEL PRODUCT FOR INDUCTION HARDENING, INDUCTION HARDENED MEMBER USING THE SAME, AND MANUFACTURING METHODS THEREFOR
II	Applicant	
II-1	This person is	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	JFE STEEL CORPORATION
II-5	Address	2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 1000011 Japan
II-6	State of nationality	JP
II-7	State of residence	JP
II-8	Telephone No.	81-3-3597-3440
II-9	Facsimile No.	81-3-3597-3445

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III-1	Applicant and/or inventor	
III-1-1	This person is	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	OMORI, Yasuhiro
III-1-5	Address	c/o Intellectual Property Dept., JFE STEEL CORPORATION, 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 1000011 Japan
III-1-6	State of nationality	JP
III-1-7	State of residence	JP
III-2	Applicant and/or inventor	
III-2-1	This person is	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	HAYASHI, Tohru
III-2-5	Address	c/o Intellectual Property Dept., 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 1000011 Japan
III-2-6	State of nationality	JP
III-2-7	State of residence	JP
III-3	Applicant and/or inventor	
III-3-1	This person is	applicant and inventor
III-3-2	Applicant for	US only
III-3-4	Name (LAST, First)	MATSUZAKI, Akihiro
III-3-5	Address	c/o Intellectual Property Dept., 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 1000011 Japan
III-3-6	State of nationality	JP
III-3-7	State of residence	JP

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III-4	<b>Applicant and/or inventor</b>	
III-4-1	This person is	applicant and inventor
III-4-2	Applicant for	US only
III-4-4	Name (LAST, First)	TOYOOKA, Takaaki
III-4-5	Address	c/o Intellectual Property Dept., JFE Steel Corporation, 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 1000011 Japan
III-4-6	State of nationality	JP
III-4-7	State of residence	JP
IV-1	<b>Agent or common representative; or address for correspondence</b>	
	The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	OCHIAI, Kenichiro
IV-1-2	Address	Intellectual Property Dept., JFE Steel Corporation, 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 1000011 Japan
IV-1-3	Telephone No.	81-3-3597-3440
IV-1-4	Facsimile No.	81-3-3597-3445
V	<b>DESIGNATIONS</b>	
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.	
VI-1	<b>Priority claim of earlier national application</b>	
VI-1-1	Filing date	17 January 2003 (17.01.2003)
VI-1-2	Number	2003-009349
VI-1-3	Country	JP
VI-2	<b>Priority claim of earlier national application</b>	
VI-2-1	Filing date	30 July 2003 (30.07.2003)
VI-2-2	Number	2003-203735
VI-2-3	Country	JP

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<b>VI-3</b>	<b>Priority claim of earlier national application</b>		
VI-3-1	Filing date	09 December 2003 (09.12.2003)	
VI-3-2	Number	2003-410792	
VI-3-3	Country	JP	
<b>VI-4</b>	<b>Priority document request</b>		
	The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1, VI-2, VI-3	
<b>VII-1</b>	<b>International Searching Authority Chosen</b>	Japan Patent Office (ISA/JP)	
<b>VIII</b>	<b>Declarations</b>	<b>Number of declarations</b>	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
<b>IX</b>	<b>Check list</b>	<b>number of sheets</b>	<b>electronic file(s) attached</b>
IX-1	Request (including declaration sheets)	5	✓
IX-2	Description	19	-
IX-3	Claims	4	-
IX-4	Abstract	1	✓
IX-5	Drawings	2	-
IX-7	TOTAL	31	
	<b>Accompanying Items</b>	<b>paper document(s) attached</b>	<b>electronic file(s) attached</b>
IX-8	Fee calculation sheet	✓	-
IX-9	Original separate power of attorney	✓	-
IX-17	PCT-SAFE physical media	-	✓
IX-18	other		
IX-18	other		
<b>IX-19</b>	<b>Figure of the drawings which should accompany the abstract</b>	1	
<b>IX-20</b>	<b>Language of filing of the international application</b>	Japanese	

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X-1	Signature of applicant, agent or common representative	
X-1-1	Name (LAST, First)	OCHIAI, Kenichiro
X-1-2	Name of signatory	
X-1-3	Capacity	

## FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/JP
10-6	Transmittal of search copy delayed until search fee is paid	

## FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
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**PCT (ANNEX - FEE CALCULATION SHEET)**

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(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only	
0-1	International Application No.	
0-2	Date stamp of the receiving Office	
0-4	Form PCT/RO/101 (Annex) PCT Fee Calculation Sheet	
0-4-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.169)
0-9	Applicant's or agent's file reference	
2	Applicant	
12	Calculation of prescribed fees	
12-1	Transmittal fee T	⇒ 13000
12-2-1	Search fee S	⇒ 97000
12-2-2	International search to be carried out by	JP
12-3	International filing fee (first 30 sheets) I1	116000
12-4	Remaining sheets	1
12-5	Additional amount (X)	1200
12-6	Total additional amount I2	1200
12-7	I1 + I2 = I	117200
12-12	EASY Filing reduction R	-8300
12-13	Total International filing fee (I-R) I	⇒ 108900
12-14	Fee for priority document	
	Number of priority documents requested	0
12-15	Fee per document (X)	1400
12-16	Total priority document fee: P	⇒
12-17	TOTAL FEES PAYABLE (T+S+I+P)	⇒ 218900
12-19	Mode of payment	Transmittal fee: revenue stamps Search fee: revenue stamps International filing fee : bank draft

**REMARKS**

13-1-1	Applicant Remarks	10596 OCHIAI Kenichiro
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